

FLUID AGITATOR AND CONDITIONER

ABSTRACT OF THE DISCLOSURE

An electromechanical apparatus and method are disclosed for agitating and conditioning fluids such as paint, polish, dyes, and the like in containers. An electrical motor generates a rotational driving force, which is reduced by a pulley system and applied to a cam drive shaft. The cam drive shaft rotationally drives a drive cam, which contains an offset drive dog. The drive cam mechanically engages and cooperates with a drive block via the drive dog to convert the rotational driving motion to a driving motion having rotational and reciprocal components. This driving motion is applied to a drive shaft, which in turn is coupled to a holder for a fluid container. The driving motion induces a vortex-like action in a fluid contained in the container thereby agitating and conditioning the fluid.

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